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What is Claimed is:

1. An electrically conducting carbon composite comprising  
a reducible organo-metallic complex dispersed or  
5 dissolved in a binder.
2. The electrically conducting carbon composite of claim  
1 wherein the reducible organo-metallic complex  
comprises zinc, nickel, copper, silver, molybdenum,  
platinum or palladium.
- 10 3. The electrically conducting carbon composite of claim  
1 wherein the reducible organo-metallic complex  
comprises molybdenum.
4. A method for producing an electrically conducting carbon  
composite comprising dispersing or dissolving a  
15 reducible organo-metallic complex in a binder and  
metallizing exterior surfaces of the binder.
5. The method of claim 4 wherein the reducible organo-  
metallic complex comprises zinc, nickel, copper, silver,  
molybdenum, platinum or palladium.
- 20 6. The method of claim 4 wherein the reducible organo-  
metallic complex comprises molybdenum.
7. A fuel cell separator comprising the carbon composite  
of claim 1.